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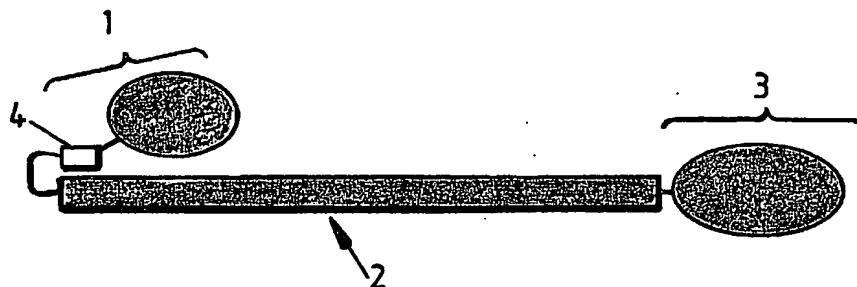
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(54) Title: **COLLAGEN FIBRILS CARRYING BIOACTIVE HETEROLOGOUS DOMAINS AND THEIR USE IN E.G. WOUND HEALING**



(57) Abstract: A modified pro- α chain comprising a triple helix forming domain linked to at least an N-terminal domain, the N-terminal domain containing a polypeptide from at least part of a laminin glycoprotein or secretory leukocyte protease inhibitor. The pro- α chain may form part of a procollagen molecule that has the N-terminal domain retained. The procollagen molecules may be incorporated into collagen polymers, matrices and gels and be used for such applications as wound healing.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07K14/78 C12N15/62 C07K14/81 A61K38/39		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C07K A61K A61L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 747 068 A (JOHNSON & JOHNSON MEDICAL) 11 December 1996 (1996-12-11) column 1, line 34 - line 42; claims 9,16	1-10, 12-17, 19-21, 23-37
Y	EP 0 985 732 A (TERUMO CORP) 15 March 2000 (2000-03-15) cited in the application the whole document	1-10, 12-17, 19-21, 23-37
A	US 5 266 328 A (FURCHT LEO T ET AL) 30 November 1993 (1993-11-30) column 15, line 23 - line 30	
A	EP 0 704 532 A (UNITED STATES SURGICAL CORP) 3 April 1996 (1996-04-03) the whole document	
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 12 November 2004		Date of mailing of the international search report 21-07-2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Smalt, R

INTERNATIONAL SEARCH REPORT

PCT/GB2004/001719

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

☒

a sequence listing

☐

table(s) related to the sequence listing

b. format of material

☒

in written format

☒

in computer readable form

c. time of filing/furnishing

☐

contained in the international application as filed

☐

filed together with the international application in computer readable form

☒

furnished subsequently to this Authority for the purpose of search

2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

INTERNATIONAL SEARCH REPORT

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